

# PURDUE EXTENSION BOONE COUNTY

## 4-H Utility Goat Worksheets

Grade 8-C



Name: \_\_\_\_\_

4-H Club: \_\_\_\_\_

Date: \_\_\_\_\_

### Goats and Dairy Characteristics

1. Explain the roles of the mammary gland.

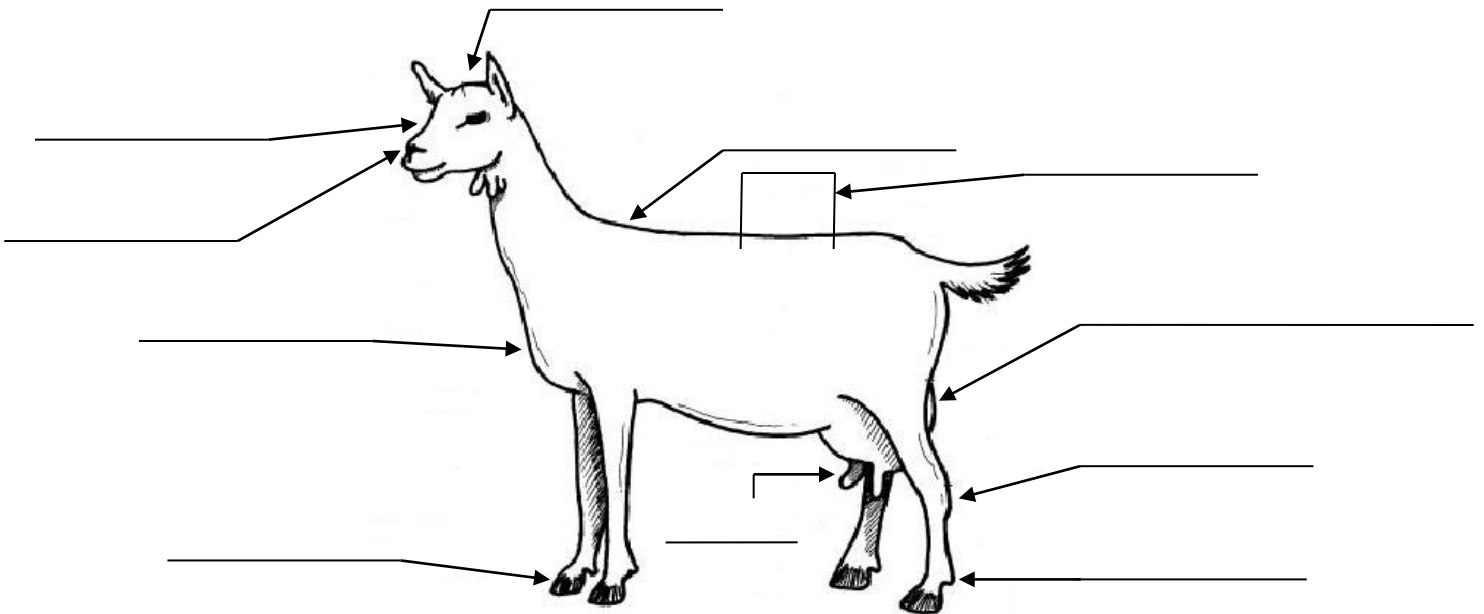
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2. Identify the following body parts:



3. Approximately how much blood passes through the udder for each pound of milk that is produced? \_\_\_\_\_

4. Explain the difference between batch pasteurization and flash pasteurization.

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5. Match the following:

\_\_\_\_\_ Alveolus

\_\_\_\_\_ Teat Cistern

\_\_\_\_\_ Keratin

\_\_\_\_\_ Sphincter Muscles

\_\_\_\_\_ Milk Vein

A. Circular muscles surrounding streak canal.

B. Milk empties out of this area through the streak canal

C. Sticky, waxy substance that keeps bacteria out of the mammary gland

D. Blood leaves the udder through this

E. Smallest unit in the udder, made up of single layer of epithelial cells

6. Explain “clinical mastitis”, identifying symptoms.

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7. What are some of the reasons a majority of processors use high-temperature short time pasteurization (flash pasteurization).

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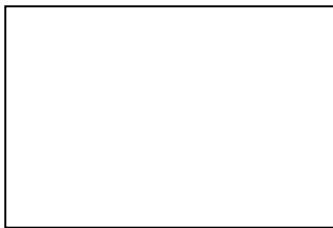
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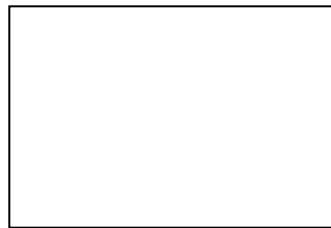
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8. Draw an example of a good teat structure you would prefer in your female goats, and draw an example of a poor teat structure and explain why you would not want it in your herd.

**Ideal Teat**



**Poor Teat Structure**



What makes this example undesirable?

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